

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL NO. EV 352375792 US

Applicant : Eric Ojard and Alan Corry  
Application No. : Not Assigned  
Filed : Herewith  
Title : METHOD AND APPARATUS FOR EFFICIENT DETERMINATION  
OF CHANNEL ESTIMATE AND BAUD FREQUENCY OFFSET  
ESTIMATE  
  
Grp./Div. : Not Assigned  
Examiner : Not Assigned  
  
Docket No. : 50416/RJP/B600

INFORMATION DISCLOSURE STATEMENT  
FOR A CONTINUING NON-CPA APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PostOffice Box 7068  
Pasadena, CA 91109-7068  
July 18, 2003

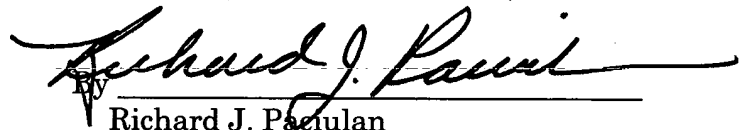
Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, enclosed is FORM PTO/SB/08A/B. The references listed thereon are not enclosed because they were of record in a parent application, Application No. 09/585,774, filed June 2, 2000.

It is respectfully requested that these references be considered in the examination of this application, and identified in the list of references cited on the patent issuing on this application.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP



Richard J. Paculan  
Reg. No. 28,248  
626/795-9900

RJP/cah  
Enclosure(s)  
CAH PAS515919.1-\*-07/18/03 9:10 AM

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>50416/RJP/B600</b>
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Application Number	Not Assigned
	Filing Date	Herewith
	Applicant(s)	Eric Ojard and Alan Corry
	Group Art Unit	Not Assigned
	Examiner Name	Not Assigned

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
		5,225,291	10-1993	Holden et al.
		5,343,498	08-1994	Toy et al.
		5,432,821	07-1995	Polydoros et al.
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		6,418,175 B1	07-2002	Pukkila et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
		WO 98/10531	04-09-1996	Weilin Liu	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		ALFRED BAIER, "Correlative and Iterative Channel Estimation in Adaptive Viterbi Equalizers for TDMA Mobile Radio Systems," <i>ITG Fachberichte</i> , VDE Verlag, 12 April 1989, pages 363-368, No. 107, Berlin, Germany. (XP-002077505)
		MAGNUS SANDELL, et al., "Iterative Channel Estimation Using Soft Decision Feedback," <i>IEEE Global Telecommunications Conference</i> , 8 November 1998, pages 3728-3733, New York, New York. (XP-000805320)
		KHALID A. HAMIED, "A New Channel Estimator for Fast Start-Up Equalization," <i>IEEE Transactions on Communications</i> , 1 February 1991, pages 177-181, Vol. 39, No. 2, New York, New York. (XP-000225299)

EXAMINER SIGNATURE		DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.			

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<b>Attorney Docket Number</b>	<b>50416/RJP/B600</b>
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OTHER DOCUMENTS		
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		SIMON HAYKIN, "Chapter 11, Method of Least Squares," <i>Adaptive Filter Theory 3rd Edition</i> , 1996, pp. 483-501, Prentice-Hall, Inc.
		JOHN C. L. NG, et al., "Complex Optimal Sequences with Constant Magnitude for Fast Channel Estimation Initialization," <i>IEEE Trans Comm</i> , March 1998, pp. 305-308, Vol. 46, No. 3.
		Copy of the International Search Report for PCT/US00/40060

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